### Build-Out Obligation Methodology for Rate-of-Return Carriers Electing Model-Based Support



The voice of mid-size communications companies

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## RATIONALE FOR THE METHODOLOGY

- Funding is directed to unserved areas.
- Limited funding will likely result in build-out obligations of less than 100%.
- Diversity requires carrier specific build-out obligations.
  - Location costs vary greatly based on density and other factors.
  - Current broadband deployment varies by company.
  - The proportion of locations where support is limited to \$230 varies by carrier.
- > A-CAM provides data necessary to determine build-out obligations. A company's build-out obligation is based on its available funding, costs and current locations reached.

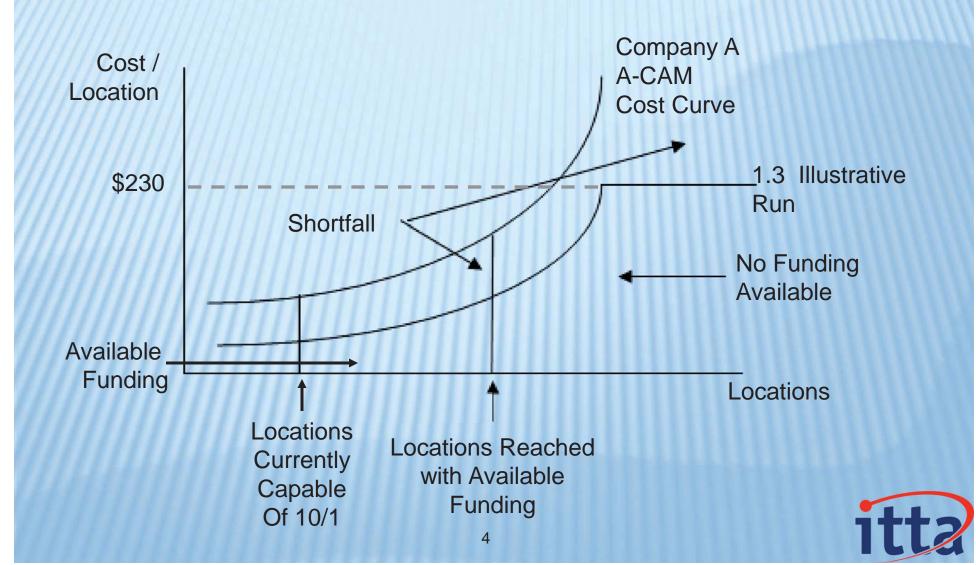
#### DIFFERENCES NECESSITATE DIFFERENT POLICIES

Policy Difference	Price Cap Areas	Rate-of-Return Areas*
Cost Differences	Larger numbers of PC locations are relatively low cost.	More RoR areas are higher cost and thus require a unique build-out approach.
Existing Build-out Levels	Most high-cost areas are unserved.	Many high-cost areas are already served.
Different Outcomes for Highest-Cost Areas	Locations above PC extremely high cost threshold subject to RAF.	Locations above \$230 subject to reasonable request.
Deciding Factors for Electing Model Support	If refused, model support will be auctioned.	Model support entirely optional.

<sup>\*</sup> These statements are based on our assessment of the approach the Commission may adopt including FCC Illustrative Scenario 1.3.



#### SIMPLIFIED OVERVIEW OF THE METHODOLOGY



#### CALCULATION OF BUILD-OUT OBLIGATION

- Determine CAF reserves available for each company.
- Sort each company's census blocks in order of increasing A-CAM costs.
- Count eligible locations with costs above \$52.50.
- Beginning with the lowest cost census block, sum the capital cost and the locations for each block until all available funding has been used.

Support Used in  $\overline{C}$ ensus  $Block_i = Capital Expenditure Cost_i$ 

- =  $0.433 \times Number\ of\ Locations_i \times (\ Cost\ per\ Location_i \$52.50)$
- Multiply the resulting eligible locations by 95%.
  - Companies don't deploy by census block therefore they may not deploy to the lowest cost census block first.
  - Legitimate cost differences exist between model and actual costs.

# CALCULATION FOR ILLUSTRATIVE STUDY AREA D

									Cummulative				
								Unserved CapEx Cost of			CapEx Cost of		Cummulative
								Locations	Е	Build-out to	Bu	ild-out to	Count of
	Telco	Cable	Fixed Wireless	Total Active Cost Per Active		over	Unserved		Unserved		Eligible		
СВ	Served	Served	Served	Subcribers	Subcribers Sub		52.50	Locations		Locations		Locations	
1234567891234	Served	Served	Unserved	18	\$		50	0	\$	41111-11	\$	-	0
1234567891255	Unserved	Unserved	Unserved	2	\$		55	2	\$	2.17	\$	2.17	2
1234567891276	Served	Unserved	Unserved	8	\$		55	0	\$	1 4 4 7 1 <del>4</del> 7	\$	2.17	2
1234567891297	Unserved	Served	Unserved	2	\$		55	0	\$	-	\$	2.17	2
1234567891318	Served	Unserved	Unserved	5	\$		55	0	\$	-	\$	2.17	2
1234567891339	Served	Served	Unserved	6	\$		55	0	\$		\$	2.17	2
1234567891360	Served	Served	Unserved	1	\$		55	0	\$		\$	2.17	2
1234567891381	Served	Served	Unserved	7	\$		55	0	\$		\$	2.17	2
1234567891402	Served	Unserved	Unserved	16	\$	Ш	60	0	\$	111111	\$	2.17	2
1234567891423	Unserved	Unserved	Unserved	5	\$	ш	60	5	\$	16.24	\$	18.40	7
1234567891444	Unserved	Unserved	Unserved	22	\$		60	22	\$	71.45	\$	89.85	29
1234567891465	Served	Served	Unserved	7	\$		60	0	\$	878153	\$	89.85	29
	IIIII											<b></b>	
1234567891466	Unserved	Unserved	Unserved	1	\$		85	1	\$	14.07	\$	1,909.53	222

 $222 \times 0.95 = 211$ 



# ILLUSTRATIVE COMPANY RESULTS

		Locations in Census Blocks Receiving	Locations in Census Blocks	Current Build-out	Current Build-out	Annual	Add'l Locations to Build- out with CAF	Final Locations	Final Build-out	
Stud		Model-Based Funding	Lacking 10/1	of Eligible Locations	of Total Locations	Reserve	Reserve x Capable of 95% 10/1		of Eligible Locations	
A	430	365	365	0%	15%	\$ 116,982	163	163	45%	53%
В	6,543	4,758	4,624	3%	29%	\$ 567,840	2,656	2,790	59%	70%
С	38,566	16,316	15,095	7%	61%	\$5,050,141	7,439	8,660	53%	80%
D	1,585	656	292	55%	82%	\$ 55,126	211	575	88%	95%



#### CONCLUSION

- Differences between rate-of-return and pricecap areas and policies require a different approach.
- The proposed methodology matches the obligation to the factors that impact rate-of-return deployment:
  - The cost to serve various locations;
  - The available CAF funding; and
  - The current level of 10/1 deployment.

